# Lancaster County/ City of Lincoln GIS Master Plan

## Presented To:

# City-County Common

### October 3, 2005

## Presented by:

**City-County GIS Team Staff Members**
**Lisa C. Swain, P.E., PlanGraphics, Inc.**
**T. James Fries, PlanGraphics, Inc.**

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# Agenda

- **Team Member Introductions**
- **GIS History and Current Uses**
- **Master Plan Process**
- **Master Plan Goals**
- **Implementation Issues**
- **Recommendations**
- **Summary and Questions**

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# City of Lincoln/Lancaster County GIS Administrative Team

- **Terry Kathe, Building & Safety**

- **Jim Langtry, County Engineer**

- **Kent Morgan, County/City Planning**

- **Mike Murphy, LES**

- **Rob Ogden, County Assessor**

- **Tim Pratt, Public Works/Utilities**

- **Anna Stambaugh, LPSNRD**

- **Doug Thomas, Finance/Info Services**

# A Heritage of Cooperation

Core departments develop common files, create network, and begin data sharing

1999 Interlocal Agreement Signed
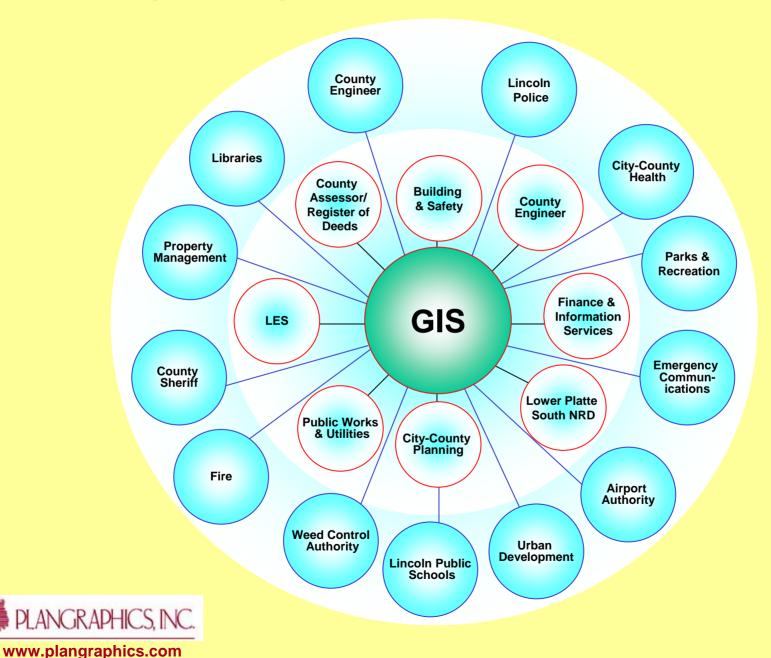
**80's**

**90's**

**2000's**

Engineering departments set geographic foundation (GPS & surveying) and begin developing "land base" files
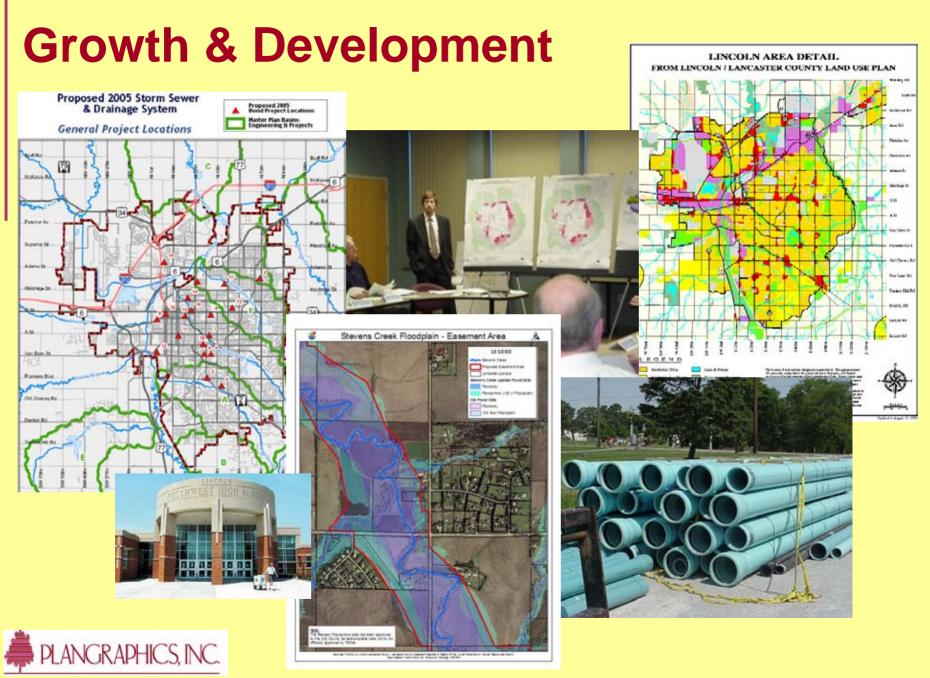
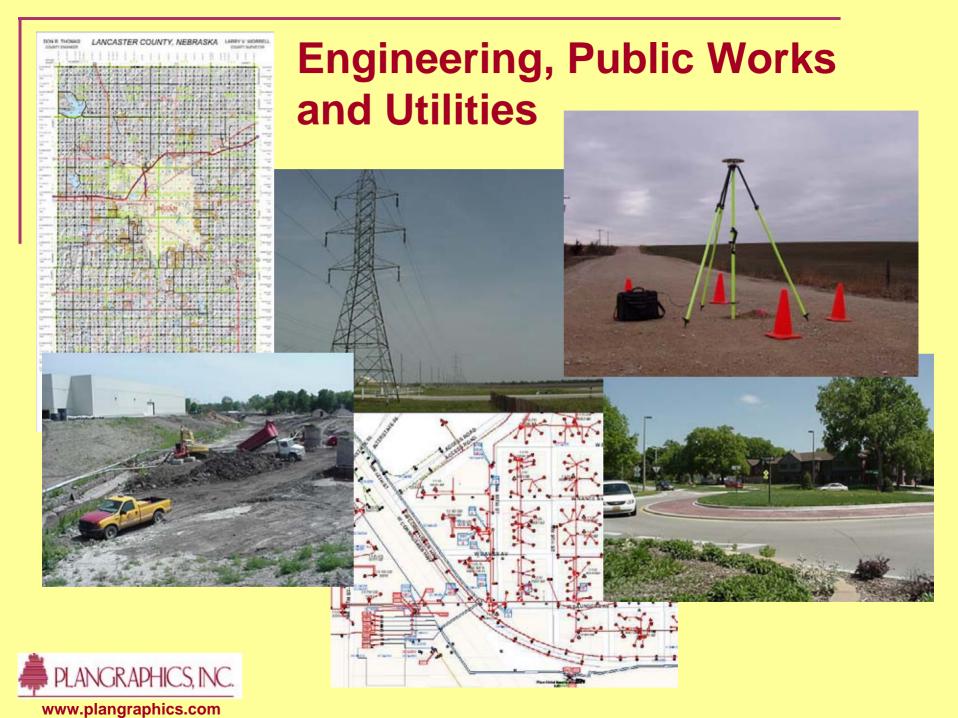Departments are added to network, with expanded training available

# The Cooperative Spirit Continues….GIS Master Plan Participants



County Engineer
Lincoln Police
Libraries
County Assessor/ Register of Deeds
Building & Safety
County Engineer
City-County Health
Property Management
Parks & Recreation
LES
**GIS**
Finance & Information Services
County Sheriff
Emergency Commun-ications
Fire
Public Works & Utilities
City-County Planning
Lower Platte South NRD
Airport Authority
Weed Control Authority
Lincoln Public Schools
Urban Development

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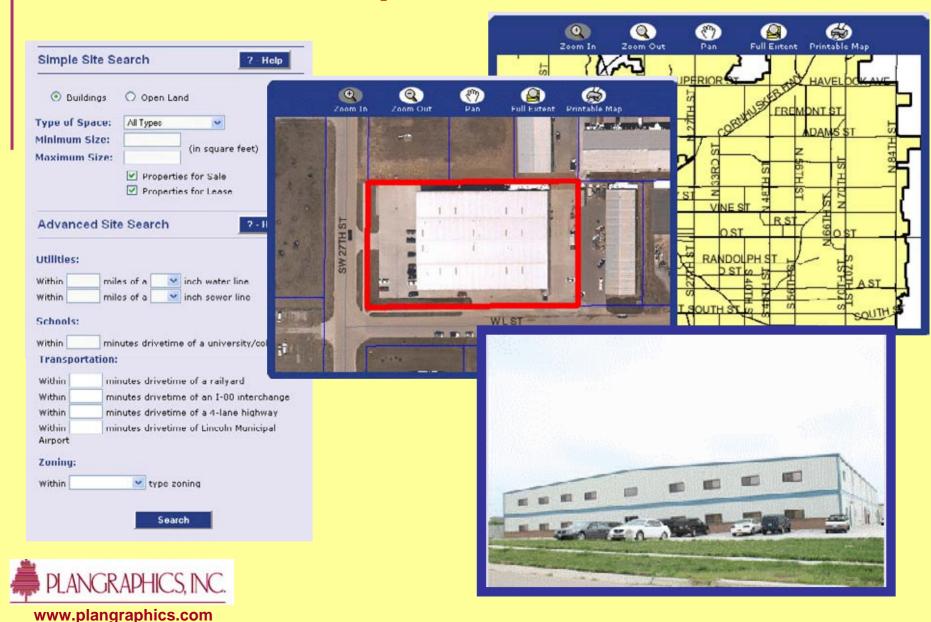
# Growth & Development

# Engineering, Public Works and Utilities

# Economic Development

# Codes and Permitting
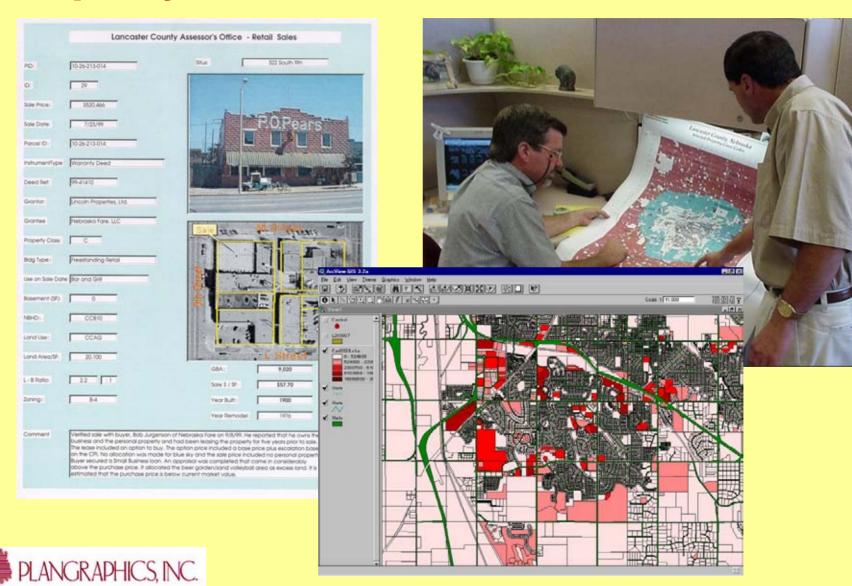
# Emergency Services



HALLAM, NEBRASKA
STORM DAMAGE - MAY 22, 2004



Storm Restoration Progress
As of 10/31/1997 4:00 P.M.

WAVERLY RD
McKELVIE AV
FLETCHER AV
ADAMS ST
O ST
VAN DORN ST
OLD CHENEY RD
SALTILLO RD

LES Service Area Boundary

Completed Areas
Circuits With Large Number of Outages
Circuits With Small Number of Outages
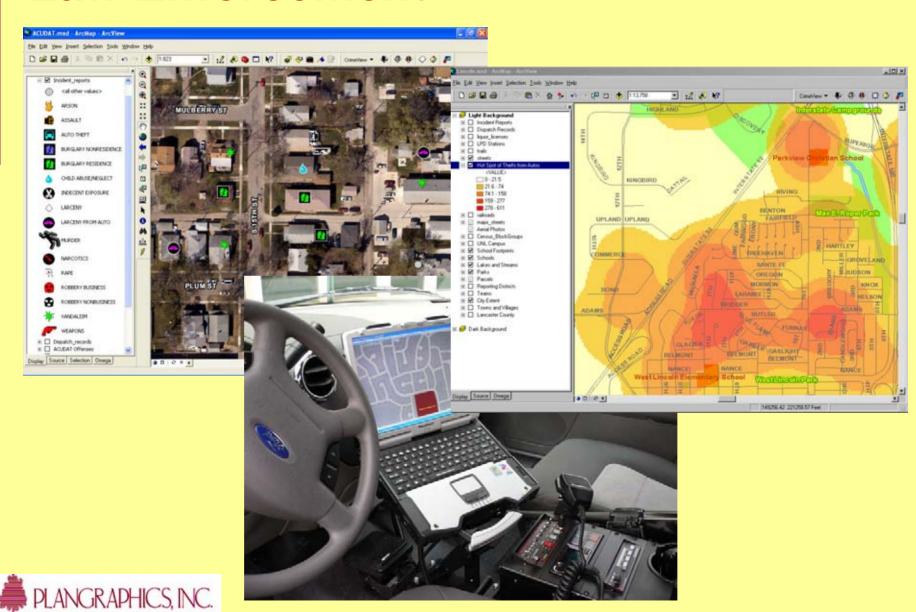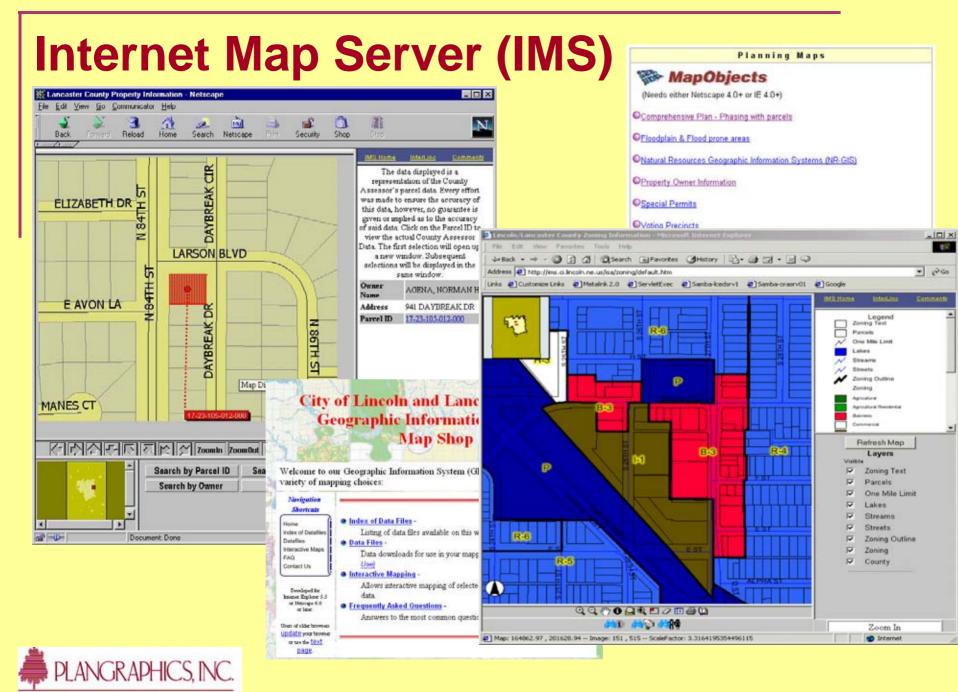
# Property Valuation

# Law Enforcement

# Internet Map Server (IMS)

# Special Image Renderings

# Information Services Support

# A Heritage of Cooperation

**Core departments develop common files, create network, and begin data sharing**

**1999 Interlocal Agreement Signed**

80's          90's          2000's

**Engineering departments set geographic foundation (GPS & surveying) and begin developing "land base" files**

**Departments are added to network, with expanded training available**

**Continued system expansion; Held two planning sessions on the future of our GIS . . .**

# Cooperative Spirit Continues

**. . . These lead to a common belief in the value of having a GIS Master Plan.**

# PlanGraphics Overview

- **GIS and Spatial IT Consulting Firm since 1979**

- **Over 1,500 client projects**

- **Core services include:**
  - **Assessment, Design, and Planning**
  - **Desktop/Workstation/Web Application Development**
  - **Database/Systems Integration**
  - **Customer Support/Training**

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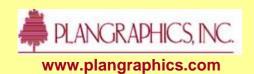Follow us to the **future**.
We know **the way.**

# Master Plan Process

- Review of Background Materials
- Preparation and Distribution of Data Collection Forms
- Participating Agencies Prepare Responses
- On-site Interview Sessions
- Recommend Organizational Structure
- Draft Master Plan
- On-site Workshops
- Final Master Plan

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# Goals of Master Plan Development

- **Provide an exemplary model for future City-County GIS Operation**
- **Identify a support organization for increased coordination that is effective, creative and cost-conscious**
- **Address new technology developments**
- **Increases involvement by other government and regional parties**
- **Identifies opportunities to streamline business practices**

# Key Issues Affecting Implementation

- **Expanded collaboration among City, County, and external agencies and private sector**
- **Data reconciliation and integration**
- **Opportunities to create efficiencies that should result in time savings and cost avoidance**
- **Increasingly complex technology environment**
- **Rising public and agency expectations**
- **Data quality control and assurance**
- **Enhanced data security and accessibility**
- **Staff development**

# Immediate Recommendations

- **Hire GIS Program Coordinator**
- **Create Unified Land base**
- **Identify and Pursue Additional Sources of Funding**
- **Expand GIS Participation**

# Next Steps in the Project

| Task Name | 3Q05 | | 4Q05 | | | 1Q06 | | | 2Q06 | | | 3Q06 | | | 4Q06 | | | 1Q07 | | | 2Q07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
| **Hire GIS PM** | | | | | | | | | | | | | | | | | | | | | |
| **Establish ILA for GIS Management Office** | | | | | | | | | | | | | | | | | | | | | |
| **Create GIS Management Office** | | | | | | | | | | | | | | | | | | | | | |
| **Create Job Description for GIS Program Manager** | | | | | | | | | | | | | | | | | | | | | |
| **Formally Establish Budget/Reporting Structure for PM** | | | | | | | | | | | | | | | | | | | | | |
| **Hire GIS PM** | | | | | | | | | | | | | | | | | | | | | |
| **Establish GIS Management Office** | | | | | | | | | | | | | | | | | | | | | |
| **Develop Preliminary GIS MO Policies** | | | | | | | | | | | | | | | | | | | | | |
| **Establish Technical Committees** | | | | | | | | | | | | | | | | | | | | | |
| **Establish Data Quality and Maintenance Standards** | | | | | | | | | | | | | | | | | | | | | |
| **Streamline workflows related to landbase maintenance** | | | | | | | | | | | | | | | | | | | | | |
| **Streamline workflows for address assignment** | | | | | | | | | | | | | | | | | | | | | |
| **Create Geodatabase** | | | | | | | | | | | | | | | | | | | | | |
| **Define Required Metadata** | | | | | | | | | | | | | | | | | | | | | |
| **Develop Geodatabase Design** | | | | | | | | | | | | | | | | | | | | | |
| **Develop Data Loading Procedures** | | | | | | | | | | | | | | | | | | | | | |
| **Hire/Contract Programmer/Analyst** | | | | | | | | | | | | | | | | | | | | | |
| **Develop Job Specification** | | | | | | | | | | | | | | | | | | | | | |
| **Establish application development priorities** | | | | | | | | | | | | | | | | | | | | | |

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# Closing Summary
# and
# Questions

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*Keyword "GIS"*